To: Hanson, Kristen[KHanson@ldftribe.com]
Cc: Kamke, Sherry[Kamke.Sherry@epa.gov]; Dee.allen@ldftribe.com[Dee.allen@ldftribe.com]; Manville, Jennifer[manville.jennifer@epa.gov]
From: Egan, Robert
Sent: Wed 6/1/2016 3:41:58 PM
Subject: RE: Tower Standard Accelerated Groundwater Investigation Discussion

Hi Kristen,

Sorry for the late reply. I was off work for most of yesterday and have had computer problems today until just now.

I have no plans to rely on REI for more technical knowledge than any other member of our group working on the Tower site. I view them as a source as with any other consultant, and I was hoping they have contacts that we don't know about who can provide additional knowledge for our decision on MIP as a useful investigation method.

Chris and John mentioned someone at EPA who they have consulted with, and I will attempt to contact that person. I also have another contact in our research group who I can call.

I don't believe that we will have a perfect answer to our question whether this is the best technology to use at the site. From what I know, it will not provide information except in the most contaminated portion of the plume, but that is what we are most interested in mapping out, along with the hydraulic profiling data.

I will let you know whether I am successful in speaking to our research folks.

Bob Egan

Corrective Action Manager

Underground Storage Tanks Section

RCRA Branch

EPA Region 5

(312) 886-6212

(312) 692-2911 (fax)

From: Hanson, Kristen [mailto:KHanson@ldftribe.com]
Sent: Tuesday, May 31, 2016 11:55 AM
To: Egan, Robert <egan.robert@epa.gov>
Cc: Kamke, Sherry <Kamke.Sherry@epa.gov>; Dee.allen@ldftribe.com; Manville, Jennifer <manville.jennifer@epa.gov>
Subject: RE: Tower Standard Accelerated Groundwater Investigation Discussion

Hi Bob,

Do you have federal technical assistance you can rely on for experience and advise on characterization tools like MIP/LIF/HPT/CPT/VAS?

I have significant concerns with relying on Dave Larsen for insight on the use of MIP. Our need to use additional characterization is partially due to incomplete well boring logs and Mr. Larsen's unwillingness to provide field notes. Federal technical assistance is warranted. Maybe Superfund or the ITRC folks have a contact.

Kristen

From: Egan, Robert [mailto:egan.robert@epa.gov]
Sent: Tuesday, May 31, 2016 7:26 AM
To: Saari, Christopher A - DNR; Hanson, Kristen; Dave Larsen (dlarsen@reiengineering.com)
Subject: RE: Tower Standard Accelerated Groundwater Investigation Discussion

Thanks for setting up David's participation, Chris.

I spoke to Dave Larsen on Friday and he has obtained some additional insight from a contact on the use of MIP.

I look forward to our call later this week.

Bob Egan

Corrective Action Manager

Underground Storage Tanks Section

RCRA Branch

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(312) 886-6212

(312) 692-2911 (fax)

From: Saari, Christopher A - DNR [mailto:Christopher.Saari@wisconsin.gov]
Sent: Friday, May 27, 2016 3:43 PM
To: Egan, Robert <egan.robert@epa.gov>; KHanson@ldftribe.com; Dave Larsen (dlarsen@reiengineering.com) <dlarsen@reiengineering.com>
Subject: RE: Tower Standard Accelerated Groundwater Invesigation Discussion

FYI – I have asked David Swimm, a DNR RR program hydrogeologist working in Madison, to join us on our June 3 call. David has a lot of drilling experience and is quite familiar with MIP/LIF/CPT technologies. He should be a valuable contributor to our discussion.

Have a great weekend!

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Chris Saari

Phone: (715) 685-2920

Christopher.Saari@Wi.gov

-----Original Appointment-----
From: Saari, Christopher A - DNR
Sent: Thursday, May 26, 2016 4:32 PM
To: Egan, Robert (egan.robert@epa.gov); KHanson@ldftribe.com; Dave Larsen (dlarsen@reiengineering.com)
Subject: Tower Standard Accelerated Groundwater Invesigation Discussion
When: Friday, June 03, 2016 9:00 AM-10:00 AM (UTC-06:00) Central Time (US & Canada).
Where: Conference Call 1-888-327-8914, pass code 6751 034#

As we discussed this morning, this call will focus on potential use of MIP/Cone Penetrometer/other direct push technologies to delineate the dissolved plume.